



Appl. No. 09/996,271
Amdt. dated April 27, 2004
Reply to Office Action of April 6, 2004

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Appl. No : 09/996,271
Applicant : Amit Chakraborty et al.
Filed : November 28, 2001
Title : System and User Interface Supporting User
Navigation of Multimedia Data File Content
Art Unit : 2175
Examiner : Neveen Abel Jalil
Docket No. : 2000P09096US01

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Michele L. Conover, Reg. No. 34,962

AMENDMENT AFTER FINAL REJECTION

Sir:

In response to the Office action of April 6, 2004, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 5 of this paper.

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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A system for processing a multimedia data file to provide information supporting user navigation of multimedia data file content, comprising:

a content parser to identify and locate previously unidentified text and image content of a data file, the content parser applying text extraction rules to identify text and identify a document structure, wherein the document structure defines a context for identified text;

a black and white image processor for processing said identified image content to identify embedded text content by applying object templates, the image processor comprising a pixel smearing component reducing text to a rectangular block of pixels and an image filtering component for cleaning a smeared image;

a text sorter for parsing said identified text and said identified embedded text to locate text items in accordance with predetermined sorting rules; and

memory for storing a navigation file containing said text items.

Claim 2 (Original): The system of claim 1, wherein the navigation file links to at least one internal document object.

Claim 3 (Original): The system of claim 1, wherein the navigation file links to at least one external document object.

Claim 4 (Canceled).

Claim 5 (Canceled).

Claim 6 (Original): The system of claim 1, wherein the content parser applies pre-defined hierarchical rules for determining a level of identified text.

Claim 7 (Canceled).

Claim 8 (Original): The system of claim 1, wherein the system refines a search resolution during a text identifying process to determine a location of the embedded text within an image.

Claim 9 (Original): The system of claim 1, wherein identified text comprises hyperlinks.

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Claim 10 (Canceled).

Claim 11 (Canceled).

Claim 12 (Canceled).

Claim 13 (Canceled).

Claim 14 (Cancelled).

Claim 15 (Canceled).

Claim 16 (Canceled).

Claim 17 (Canceled).

Claim 18 (Canceled).

Claim 19 (Canceled).

Claim 20 (Canceled).

Claim 21 (Canceled).

Claim 22 (Canceled).

Claim 23 (Currently Amended): A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for creating an anchorable information unit file from a portable document format document, the method steps comprising:
parsing the portable document format document into textual portions and non-text portions;

extracting structure from the textual portions and the non-text portions;

determining text within textual portions, and ~~text~~ the non-text portions; and

hyperlinking a plurality of keywords within the textual portions and non-text portions to a related document by creating the anchorable information unit file, wherein the plurality of keywords are anchorable information units.

Claim 24 (Original): The program storage device of claim 23, wherein the step of parsing further comprises the step of differentiating color image content from black-and-white content.

Claim 25 (Original): The program storage device of claim 23, wherein the step of extracting further comprises the steps of:

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determining a level for extracted textual portions;
associating the context with the text; and
pattern matching extracted text to the portable document format document
to determine a context and a location.

Claim 26 (Original): The program storage device of claim 25, wherein the level is
one of a paragraph, a heading and a subheading.

Claim 27 (Original): The program storage device of claim 25, wherein the step of
pattern matching further comprises the steps of:

determining a median font size for the portable document format
document;

comparing a font size of the extracted text to the median font size for the
portable document format document and

determining a context according to font size.

Claim 28 (Canceled).

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REMARKS

Claims 1-3, 6, 8, 9 and 23-27 are currently pending in this application. Claims 1 and 23 have been amended to include the limitations of allowable claims 4 and 28 respectively. Claims 4, 10-13 and 15-22 have been canceled. No new matter has been added to this application.

Applicants acknowledge the Examiner's indication that claims 4 and 28 contain allowable subject matter. As indicated above, Applicants have amended claims 1 and 23 to include the limitations of claims 4 and 28 respectively. As such, Applicants respectfully submit that claims 1 and 23, as amended are in condition for allowance. Claims 2, 3, 6, 8, 9 and 24-27, which depend upon independent claims 1 and 23 respectively are also in condition for allowance.

Rejection of Claims 1- 3, 6, 8 and 9 under 35 U.S.C. § 102 (e)

The Examiner has rejected claims 1- 3, 6, 8 and 9 under 35 U.S.C. § 102 (e) as being anticipated by U.S. Patent Application No. 2002/0080170 A1 (Goldberg). The Examiner contends that Goldberg discloses Applicants' invention as claimed. Applicants respectfully traverse the rejection.

Applicants have amended claim 1 to include the limitations of claim 4 which the Examiner has indicated contains allowable subject matter. As such, Applicants submit that the above rejection is moot. Applicants respectfully request that the rejection of claims 1- 3, 6, 8 and 9 under 35 U.S.C. § 102 (e) be withdrawn.

Rejection of Claims 23 and 25-27 under 35 U.S.C. § 103 (a)

The Examiner has rejected claims 23 and 25-27 under 35 U.S.C. § 103 (a) as being unpatentable over Goldberg in view of U.S. Patent Application No. 2001/0047373 A1 (Jones). The Examiner correctly notes that Goldberg does not teach or disclose a black and white image processor that includes a pixel smearing component and an image filtering component. The Examiner contends

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that Jones discloses a black and white image processor that includes a pixel smearing component and an image filtering component. The Examiner argues that it would have been obvious to one of ordinary skill in the art to modify Goldberg to include the image processor of Jones. Applicants respectfully traverse the rejection.

Applicants have amended claim 23 to include the limitations of claim 28 which the Examiner has indicated contains allowable subject matter. As such, Applicants submit that the above rejection is moot and request that the rejection of claims 23 and 25-27 under 35 U.S.C. § 103 (a) be withdrawn.

Rejection of Claim 24 under 35 U.S.C. § 103 (a)

The Examiner has rejected claim 24 under 35 U.S.C. § 103 (a) as being unpatentable over Goldberg in view of Jones and further in view of Rothermel. Applicants respectfully traverse the rejection.

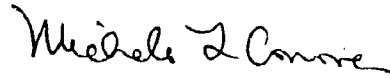
As indicated above, Applicants have amended independent claim 23 to include the limitations of claim 28 which the Examiner has indicated contains allowable subject matter. Applicants submit that claim 24 which depends upon claim 23 is also allowable. As such, Applicants request that the rejection of claim 24 be withdrawn.

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Conclusion

Applicants respectfully submit that claims 1-3, 6, 8, 9 and 23-27, as amended, are in condition for allowance and request that a timely Notice of Allowance be issued in this case. The Examiner is invited to contact the undersigned should he have any questions in this matter.

Respectfully submitted,



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Date: April 27, 2004
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